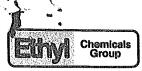
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INITIAL SUBMISSION: MATERIAL SAFETY DATA SHEET ON					
HEPTABROMODIPHENYL OXIDE, OCTABROMODIPHENYL OXIDE AND					
NONABROMODIPHENYL OXIDE, DATED 8/21/87					
Chemical Category					
BROMINATED DIPHENYL ETHER					



## 7-47-0794-00093 MATERIAL SAFETY DATA SHEET

**Emergency Phone 504-344-7147** 



Proposition Burning

99.0.7

PRODUCT IDENTIFICATION TRADE NAME:

Saytex® 111 Flame Retardant

CHEMICAL NAME:

Heptabromodiphenyl oxide; Octabromodiphenyl oxide; Nonabromodiphenyl oxide

CHEMICAL FAMILY:

Brominated diphenyl ether

CHEMICAL FORMULA:

C12H3Br70; C12H2Br80;

ClaHBrgO.

CAS NO.:

COMPONENT NAME

oxideNL

Mixture - see below.

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 - 2629).

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SUMMARY OF HAZARDS

84940000050

See "Chronic Effects of Overexposure."

HAZARDOUS COMPONENTS

68928-80-3 Heptabromodiphenyl  $oxide^{NL}$ Octabromodiphenyl oxide NL 32536-52-0 63936-56-1 Nonabromodiphenyl

EXPOSURE LIMIT Not established

by OSHA/ACGIH.

Carcinogenicity listing of the above indicated by: @ = NTP; # = IARC; & = OSHA; \* = Other; NL = Not Listed.

CAS NO.

APPEARANCE/ODOR:

Off-white powder/faint ether

odor.

CHEMICAL AND PHYSICAL PROPERTIES

MELTING POINT:

70 - 150°C/158 - 302°F (range).

VAPOR PRESSURE:

Less than 0.1 mm Hg @ 20°C/ 68°F.

08/21/87

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Ethyl Tower 451 Florida Blvd., Baton Rouge, LA 70801 REPRESENTING ETHYL FOREIGN SALES CORPORATION FOR EXPORT SALES

Page 2 of 4

TRADE NAME: Saytex® 111

SOLUBILITY IN WATER:

Less than 0.1%

SPECIFIC GRAVITY:

2.6

FLASH POINT (METHOD):

Not applicable - solid.

FLAMMABLE LIMITS:

Not applicable.

FIRE AND EXPLOSION

**HAZARDS** 

EXTINGUISHING MEDIA:

Dry chemical, water spray

(fog), foam or carbon dioxide.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Include hydrogen bromide and

oxides of carbon.

SPECIAL FIRE FIGHTING PROCEDURES:

High temperatures may liberate toxic gases. Do not breathe

smoke or fumes.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

STABILITY:

Stable.

REACTIVITY DATA

CONDITIONS TO AVOID:

Temperatures greater than

232°C/450°F.

MATERIALS TO AVOID:

Strong oxidizing agents.

HAZARDOUS POLYMERIZATION:

Will not occur.

HEALTH HAZARDS CHRONIC EFFECTS OF OVEREXPOSURE:

Saytex 111 has been shown to cause developmental effects in rats. Literature data indicate that long term exposure causes liver, kidney, and thyroid effects in the laboratory

animal (rat).

08/21/87 Continued

TRADE NAME: Saytex® 111

TOXICITY DATA:

ORAL LD<sub>50</sub> (Rat) = Greater than 5000 mg/kg. DERMAL LD<sub>50</sub> (Rabbit) = Greater than 2000 mg/kg.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

**EMERGENCY** FIRST AID **PROCEDURES**  EYE CONTACT:

SKIN CONTACT:

Begin immediate eye irrigation with cool water.

Wash contaminated area with soap and water. Wash clothing before reuse.

INGESTION:

Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Get medical attention.

EXPOSURE LIMITS:

Not established by OSHA or

ACGIH.

**EXPOSURE** CONTROL INFORMATION

EYE PROTECTION:

Safety glasses with side shields under normal

circumstances.

PROTECTIVE GLOVES:

Resistant to chemical

penetration.

RESPIRATORY PROTECTION: Use a NIOSH approved dust respirator if any exposure

is likely.

MECHANICAL VENTILATION: Recommended.

LOCAL VENTILATION:

At source of dusting.

08/21/87 Continued

TRADE NAME: Saytex® 111

OTHER:

If skin contact or contamination of clothing is likely, protective clothing should be worn. Contaminated clothing should be washed before reuse.

SPILLS OR LEAKS:

Sweep or shovel spills into appropriate container for disposal.

ENVIRONMENTAL PROTECTION

DISPOSAL METHODS:

Under the CERCLA/RCRA regulations in effect December 29, 1986, this product is not regulated as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state, and federal regulations. However, we strongly recommend disposal of this product in a chemically secure landfill.

STORAGE REQUIREMENT:

Store in dry, well ventilated area away from heat.

REVISED: 08/21/87

SUPERSEDES: 02/24/86

MSDS prepared by: Toxicology and Industrial Hygiene Department Ethyl Corporation

FOR ADDITIONAL NONEMERGENCY MSDS INFORMATION, CONTACT:
TOXICOLOGY AND INDUSTRIAL HYGIENE DEPARTMENT
ETHYL CORPORATION
451 FLORIDA ST.
BATON ROUGE, LA 70801
(504) 388-7717

THIS MATERIAL SAFETY DATA SHEET CONTAINS AT LEAST THE INFORMATION REQUIRED BY THE FEDERAL OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200(g)(2).

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